

Spotfire® Server Release Notes

Software Release 14.5.0

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Spotfire Server Release Notes

The release notes for this product version are provided to inform you of new features, known issues, and issues from previous releases that have been closed.

These release notes are for Spotfire® Server version 14.5. They cover Microsoft Windows and Linux installations.

Spotfire® Server is a Tomcat web application that runs on Windows and Linux operating systems. It is the administrative center of any Spotfire® implementation. In addition to providing the tools for configuring and administering the Spotfire® environment, Spotfire Server facilitates the services that make it possible for users to access, blend, and visualize their data, creating analyses that provide actionable insight.



Major changes between LTS versions

For an overview of important changes between the LTS versions, see [Upgrading between Spotfire LTS versions](#).

New Features

The following new features have been added in version 14.5 of Spotfire® Server.

For details about new Spotfire features, see [What's New in Spotfire](#) in the [Community](#).

Key	Version	Summary
TSS-34827	14.5.0	Logging of imported library items A new action log entry has been introduced, logging which specific library items were imported during a library import operation. The action is logged as <code>import_content</code> under the <code>library</code> category.
TSS-35112	14.5.0	CLI tool memory and Java options configuration The environment variables <code>CONFIG_MAX_HEAPSIZE</code> and <code>CONFIG_INITIAL_HEAPSIZE</code> can now be used to configure memory settings for the CLI tool. Additionally, the variable <code>CONFIG_JAVA_OPTS</code> can be used to configure additional Java options.
TSS-35411	14.5.0	Automatically recycle idle service instances with long uptime New settings have been added to the Spotfire.Dxp.Worker.Web.config file, to enable automatic recycling of idle instances. Auto-recycle is enabled by default for Automation Services but disabled for the Web Player service.
SPOT-1853	14.5.0	One user guide for Spotfire The help content from the installed Spotfire application (previously known as Spotfire Analyst) and the Spotfire web application has now been merged to a single user guide where you can find the help you need regardless of the client you use. Also, the previously separate user guides for the Spotfire Administration Manager and the Spotfire Qualification tools, as well as the <i>Working with Cubes in Spotfire</i> guide have now been included in the new Spotfire User Guide. The help is now always opened in your web browser, but you can download the content from the Spotfire documentation site and configure it for offline use. You can also open or download the user guide as a PDF.
SPOT-2413	14.5.0	Configure notification preferences for Automation Services jobs Spotfire administrators can now configure notification preferences for Automation Services jobs to send notifications that include the job result and status information. <ul style="list-style-type: none"> You can configure email notifications by setting the email connection details, recipient lists, and the job statuses to be notified about (all, failed, or successful). You can configure HTTP notifications by specifying the HTTP host authorization type (OAuth, basic, none), and the job statuses to be notified about (all, failed, or successful).
SPOT-2414	14.5.0	Configure notification preferences for scheduled updates Spotfire administrators can now configure notification preferences for scheduled updates to send notifications that include the job result and status information. <ul style="list-style-type: none"> You can configure email notifications by setting the email connection details, recipient lists, and the job statuses to be notified about (all, failed, or successful). You can configure HTTP notifications by specifying the HTTP host, the authorization type (OAuth, basic, none), and the job statuses to be notified about (all, failed, or successful).

Key	Version	Summary
SPOT-3311	14.5.0	<p>Added support for Eclipse Temurin JDK 21 LTS</p> <p>Eclipse Temurin Java Development Kit 21 LTS is now supported for Spotfire Server.</p> <p>Eclipse Temurin is the open source Java SE build based upon OpenJDK. Eclipse Temurin 21 LTS is embedded in the Spotfire Server and node manager installation packages.</p> <p>Note: Oracle Java SE Development Kit 17 LTS is no longer supported.</p>
SPOT-3431	14.5.0	<p>Added support for .NET 8</p> <p>Microsoft .NET 8 is now supported for:</p> <ul style="list-style-type: none"> • Spotfire Web Player • Spotfire Automation Services <p>.NET 8 is the latest LTS release and it was released on November 2023.</p> <p>Note: This applies to the Spotfire Web Player and the Spotfire Automation Services service when running on Linux.</p> <p>Note: The support for .NET 6 has now been removed.</p>
SPOT-3432	14.5.0	<p>New license feature for Information Designer</p> <p>There is a new license feature, <i>Element Administration</i>, that gives users the right to create and edit elements in Information Designer. Elements, such as columns, procedures, and filters, are the building blocks for information links.</p> <p>With the addition of this license feature, you can create separate groups for users with full permissions to create data sources and information link elements, and users who should only be able to create information link elements.</p>
SPOT-3490	14.5.0	<p>Manage and monitor the Information Services process</p> <p>You can now manage and monitor the Information Services process on your Spotfire Server in the server administration pages, which makes it easier to troubleshoot issues with Information Services. This new user interface includes capabilities that enable you to, for example:</p> <ul style="list-style-type: none"> • Start, stop, and restart the Information Services process of each Spotfire Server in your environment. • View details about the process, such as the current status and port. • Access the Information Services logs.
SPOT-3491	14.5.0	<p>Monitor information link jobs from the server administration pages</p> <p>You can now monitor information link jobs in the Spotfire Server administration pages.</p> <p>The new <i>Information Services activity</i> page, available under <i>Monitoring & Diagnostics</i>, includes information and functionality to help you to diagnose and troubleshoot issues with information links:</p> <ul style="list-style-type: none"> • View currently running information link jobs, as well as historical information about completed and failed jobs. • Cancel information link jobs that are currently running.

Key	Version	Summary
SPOT-3529	14.5.0	<p>Ubuntu 24.04 LTS is supported as operating system</p> <p>Ubuntu 24.04 LTS is now supported as the operating system for:</p> <ul style="list-style-type: none"> • Spotfire Server • Spotfire Web Player • Spotfire Automation Services • Spotfire Enterprise Runtime for R - Server Edition (a/k/a the TERR™ service) • Spotfire Service for Python • Spotfire Service for R
SPOT-3666	14.5.0	<p>New Spotfire products and licensing</p> <p>Spotfire 14.5 (and 14.0.8) introduces support for the new Spotfire license model. For more information about the difference between the legacy license model and the new license model see Spotfire licenses and license features in the <i>Spotfire® Server and Environment - Installation and Administration</i> documentation.</p> <p>The license model to use is determined by your current contract.</p> <p>For a new installation of Spotfire Server 14.5 or 14.0.8 and later, the default is that the new license model is used. Customers that have contracts with the legacy license model must change the product license version manually using the server CLI command <code>set-config-prop</code>.</p>
SPOT-3667	14.5.0	<p>Simplified licensing</p> <p>The licensing for Spotfire products has been updated to provide an easier way to set, remove and change licenses for groups and to support the new licensing model of Spotfire.</p> <p>With the new license model and updated web administration interfaces, it is easier to track the number of assigned licenses. You can see the number of users assigned to different Spotfire product licenses directly in the <i>Groups</i> page.</p> <p>It is possible to switch between the old and new license model through a server configuration parameter. By default, license model version 1 is used. You can set the license model version by running the following CLI command:</p> <pre>config set-config-prop -n licenses.version -v 1</pre> <p>See Setting the license and license features for a group for more information.</p>
SPOT-3668	14.5.0	<p>Generate a deployment report to see license usage</p> <p>As an administrator you can now generate a deployment report by clicking <i>Download deployment report</i> in the <i>About Spotfire</i> section of the Spotfire Server web administration pages.</p> <p>The deployment report is downloaded to your local drive and it contains information about license assignment, license usage, license feature usage, as well as library, system and services characteristics and usage.</p>

Key	Version	Summary
SPOT-3737	14.5.0	<p>Quick filters showing status overviews of scheduled updates jobs</p> <p>Spotfire administrators can now see an overview of the statuses for all scheduled updates jobs, and quickly drill down to more details about jobs of a certain status.</p> <p>When available, you can see summaries of the jobs with the following statuses:</p> <ul style="list-style-type: none"> • Number of jobs successfully completed • Number of jobs currently executing • Number of failed jobs • Number of partially failed jobs • Number of queued jobs <p>Each status entry is a “quick filter” that you can click on to show only the scheduled updates jobs with that particular status.</p> <p>You can also use custom filters as usual. After selecting a quick filter, the settings from the quick filter will be visible in the search bar and in the Filters drop-down list, for further filter customization.</p>
SPOT-3857	14.5.0	<p>PostgreSQL 17 supported as the Spotfire database</p> <p>Spotfire now supports PostgreSQL version 17 as the Spotfire Server database. PostgreSQL version 17 is the latest stable version.</p>
TSS-32619	14.5.0	<p>New CLI command to restore library item version</p> <p>A new CLI command, <code>restore-previous-version</code>, has been added which lets you restore a previous version of a library item.</p>
TSS-33051	14.5.0	<p>More information available for failed scheduled updates</p> <p>When an activity has failed, the tooltip and description of the status on the <i>Scheduled updates activity</i> page, as well as the <i>Activity information</i> status details, now include the error details.</p>
TSS-33649	14.5.0	<p>Configure maximum restart attempts for Information Services process</p> <p>Added the new setting <code>max-restarts</code> to the CLI command <code>config-external-information-services-process</code>. With this setting, you can configure the maximum number of times to attempt to restart the Information Services process after it closes unexpectedly.</p>
TSS-33834	14.5.0	<p>Create databases from the configuration tool</p> <p>The Spotfire Server database and the action log database can now be created from within the configuration tool.</p>
TSS-34079	14.5.0	<p>New CLI command to list data sources from Information Services</p> <p>A new CLI command, <code>list-datasources</code>, has been added. It lets you find and list the Information Services data sources in the Spotfire library.</p>
TSS-34250	14.5.0	<p>List and delete obsolete licenses</p> <p>The <code>list-obsolete-licenses</code> and the <code>delete-obsolete-licenses</code> CLI commands can be used to list and delete obsolete licenses from the server. “Obsolete” in this case means that no deployed package is referencing the license features.</p> <p>Note that in some scenarios, older clients might still rely on these obsolete licenses. If licenses are prematurely removed, they can be added again by re-deploying older versions of the packages from where these licenses originated. Also note that the licenses might need to be re-assigned to user groups.</p>

Key	Version	Summary
TSS-34259	14.5.0	Support for the Token Exchange grant The Spotfire Server can now be configured to allow an external Authorization Server to authorize clients to use the Spotfire Server APIs, through the use of the <i>Token Exchange</i> grant.
TSS-34260	14.5.0	Custom authentication supporting RFC 9068 tokens The Spotfire Server now includes an out-of-the-box implementation of the <code>com.spotfire.server.security.CustomAuthenticator</code> interface, which supports access tokens that adheres to the RFC 9068 format.
TSS-34381	14.5.0	New CLI command to set the number of license assignments The <code>set-named-user-licenses-assignment</code> CLI command can be used to set the total number of assignments per named user license.
TSS-34510	14.5.0	Optimization of performance by caching license counts Named user licenses numbers shown above the groups table are cached by default and the default expiry time is one hour. Cache expiry times can be overridden or disabled altogether through configuration properties. Configurable values are: <ul style="list-style-type: none"> <code>licenses.cache.named-user-license-counts.enabled</code>: set to <code>true</code> to enable or to <code>false</code> to disable the cache. Default value is <code>true</code>. <code>licenses.cache.named-user-license-counts.absolute-expiration-time-seconds</code>: set the absolute expiration time in seconds. Default value is 3600 (one hour). <code>licenses.cache.named-user-license-counts.idle-expiration-time-seconds</code>: set the idle expiration time in seconds. Default value is 3600 (one hour).
TSS-34620	14.5.0	More functionality in delete-library-items The <code>delete-library-items</code> command now supports providing a search query for items that should be deleted.
TSS-34975	14.5.0	New REST API for generating and downloading deployment reports A new REST API endpoint has been created which can be used to automate the generation and download of deployment reports. See the Deployment Report REST API v1 .
TSS-34994	14.5.0	Configuration of an Authorization Server without metadata It is now possible to configure the Spotfire Server to act as a client towards an OAuth2 Authorization Server or an OIDC Provider that does not publish a Metadata or Discovery document.
TSS-35037	14.5.0	Better performance when redirecting Information Services data source elements When you redirect Information Services data source elements, performance is now faster thanks to improved search logic for finding the relevant elements in other schemas and catalogs.
TSS-35270	14.5.0	Obtain an initial access token when registering as OIDC client The CLI command <code>register-oidc-client</code> can now obtain an <i>initial access token</i> using the client credentials grant.

Key	Version	Summary
TSS-35419	14.5.0	<p>Information Services authentication with OAuth2 Client Credentials grant</p> <p>Information Services now supports authenticating with the OAuth2 Client Credentials grant, by using the new custom credentials provider <code>ClientCredentialsCredentialsProvider</code> in the data source.</p> <p>Information Services now also supports passing the username and password values of a data source to specific connection properties, by using the new custom credentials provider <code>CustomPropertiesCredentialsProvider</code> in the data source. This can be useful, for example, for use with JDBC drivers that implement the Client Credentials flow in the driver itself.</p>

Changes in Functionality

The following are changes in functionality in version 14.5 of Spotfire Server.

Key	Version	Summary
SPOT-3640	14.5.0	<p>Some documentation has moved to the Spotfire application page on the docs site</p> <p>Documentation for the following components, and the following specific manuals, are now packaged and published only as part of the Spotfire application (instead of Spotfire Server). See also <i>New names for the Spotfire applications, new zip files and installers</i>.</p> <ul style="list-style-type: none"> Automation Services – User Guide Qualification (see also <i>One user guide for Spotfire</i>) Cobranding Release notes for Spotfire Developer Python data functions in Spotfire Deploying and using a Spotfire language pack
SPOT-3866	14.5.0	<p>New names for the Spotfire applications, new zip files and installers</p> <p>The specific product names for the Spotfire applications for Windows and for web clients have been retired.</p> <ul style="list-style-type: none"> The Windows application, formerly called <i>Spotfire Analyst</i>, is now referred to as the <i>Spotfire application for Windows</i> (or the installed client). The web application that you use in your web browser, formerly referred to as <i>Spotfire Business Author and Consumer</i>, is now called the <i>Spotfire application for web</i> (or the web client). <p>Updates to release notes:</p> <ul style="list-style-type: none"> The release notes for the installed Spotfire applications and web applications are now presented in a single release notes document called <i>Spotfire Application Release Notes</i>. <p>The following installation package .zip files have new names:</p> <ul style="list-style-type: none"> SPOT_sfired-analyst_<version>_shared_computer_win.zip is now called SPOT_sfired-app_<version>_enterprise_shared_computer_win.zip. SPOT_sfired-analyst_<version>_single_user_win.zip is now called SPOT_sfired-app_<version>_enterprise_single_user_win.zip. <p>The following installation package .zip files have been added:</p> <ul style="list-style-type: none"> SPOT_sfired-app_<version>_analytics_win.zip is targeted for users that have bought an Analytics license and do not have a Spotfire Server to connect to. SPOT_sfired-app_<version>_datascience_win.zip is targeted for users that have bought a Data Science license and do not have a Spotfire Server to connect to.
TSS-33515	14.5.0	<p>Updated workflow for installing Web Player or Automation Services on Linux</p> <p>In previous versions, the prerequisites scripts needed when running the Web Player or Automation Services on Linux were included together with the <code>Spotfire.Dxp.netcore-linux.sdn</code> distribution, but they did not become available until after you had tried to create a service.</p> <p>From Spotfire 14.5 and forward, the prerequisites scripts are instead delivered together with the installation software on the Spotfire Download site, <code>SPOT_sfired_deploy_version.zip</code>. The instructions have been updated on Running Web Player or Automation Services on Linux.</p>

Key	Version	Summary
TSS-34065	14.5.0	Job ID in job execution logs The Job ID has been added to the job execution logs. This change is reflected in the <code>server.log</code> and <code>sql.log</code> files, found in the <i>Information Services</i> directory, under <i>Logs</i> .
TSS-34115	14.5.0	Changes to back-end trust The back-end trust default name has been changed from 'TIBCO Spotfire' to 'Spotfire'. This can prevent older versions of the node manager and/or the Web Player service (which have not yet been upgraded to version 14.5.x) from connecting to a Spotfire Server of version 14.5.x.
TSS-34143	14.5.0	No end time 00:00 when creating Automation Services schedules The option to choose 00:00 is removed from the end time drop-down list when creating an Automation Service schedule with a daily run interval. This is done to reduce confusion and complexity for when the start time is set to 00:00.
TSS-34362	14.5.0	Download the server administration manual for offline use The <i>Spotfire Server and Environment Installation and Administration</i> documentation is no longer built into the Spotfire Server software for offline use. To use and access the documentation in an environment without Internet access, you must now download the web help from the documentation portal. For more information, see Switching to offline administration help .
TSS-34480	14.5.0	More data in action log for the library delete action The <code>dataId</code> is now included as <code>Arg3</code> in the category= <code>library</code> , action= <code>delete</code> user action log event, when such an ID is available.
TSS-34535	14.5.0	New argument in set-license command to ignore non-existing licenses The CLI command <code>set-license</code> now has an additional argument, <code>--ignore-non-existing</code> , which, if specified, ignores any errors made that try to enable a non-existing license or license feature.
TSS-34592	14.5.0	Updates to delete-library-items The <code>delete-library-items</code> command now supports prompting for confirmation when deleting non-empty folders or items on which other items have dependencies. The command also has two new arguments: <code>--allow-unresolved-dependencies</code> and <code>--no-prompt</code> .
TSS-34640	14.5.0	Changes to the default license for Administrator group In new installations, the Administrator group is no longer assigned all licenses by default. To change the default, set <code>deployment.assign-administrator-all-licenses</code> to <code>true</code> . Note that this setting applies only the first time a deployment is saved.
TSS-34705	14.5.0	Removed Resource pool column from the node manager Services table The <i>Resource pool</i> column has been removed from the <i>Services</i> table for a selected node manager on the <i>Nodes & Services, Network</i> page. The reason for this is that it caused confusion because it showed what the default resource pool was for new instances created under that service, and not which resource pool the service was in, which some believed. A service cannot be part of a resource pool.

Key	Version	Summary
TSS-34736	14.5.0	<p>Updated server logging</p> <p>A separate <code>serverinfo.log</code> has been introduced, which will log on INFO level regardless of the server log setting. The default server log file size has been increased to 50MB. The default log level of <code>tools.log</code> has been set to DEBUG.</p>
TSS-34984	14.5.0	<p>Updated naming of client type for the installed client in logs</p> <p>The naming of the client type for the installed client has been changed from 'Spotfire Analyst' to 'Spotfire Windows Client'. This change can be seen in the user action log event with the category <code>auth</code> and the action <code>login</code>.</p> <p>Any analyses based on the <code>clientType</code> values might need an update to cover both the old and the new value for the installed client.</p>
TSS-35031	14.5.0	<p>Background task for deleting obsolete Web Player analysis states</p> <p>A background task has been introduced that deletes obsolete Web Player analysis states. Obsolete tasks are defined as:</p> <ul style="list-style-type: none"> • Tasks created by a user who is no longer in the system. • Duplicate tasks for the same user and analysis file. The most recent task is kept. • Tasks with a format version lower than the lowest Web Player service version in the system. If no Web Player instances are found, no states will be removed for having an outdated version. <p>The background task runs based on what is specified in <code>library.delete-orphan-interval-hours</code>, and the default is 12 hours. The task can be disabled by setting <code>library.delete-orphan-analysis-states.enabled</code> to <code>false</code>.</p>
TSS-35070	14.5.0	<p>New CLI commands to set library permissions and create folders</p> <ul style="list-style-type: none"> • The <code>set-library-permissions</code> command allows administrators to configure or overwrite permissions for library items. Permissions can be applied based either on the library item's path or ID, but not on both simultaneously. • The <code>create-library-folder</code> command is used to create folders.
TSS-35265	14.5.0	<p>New status, "Dismissed", available for scheduled updates</p> <p>A new status has been added for scheduled updates jobs to cover the cases when tasks are dismissed by the system because there are already other tasks running for the same job.</p>
TSS-35359	14.5.0	<p>License features related to external actions disabled by default</p> <p>When upgrading to Spotfire 14.5 or later, the license features related to the now deprecated functionality with external actions (Configure external actions, Use external actions and Trust external actions) are disabled.</p> <p>If you still want users to be able to use the deprecated functionality, these license features must be manually re-enabled by an administrator.</p>

Deprecated and Removed Features

Deprecated features

The table lists features that are deprecated and will be removed in a future release of Spotfire Server.

Key	Version	Summary
TSS-28133	14.5.0	<p>The CLI parameter <code>-t</code> or <code>--tool-password</code> of the <code>s3-download</code> command is deprecated and will be removed in a future version. Using this parameter results in a warning message about the deprecation.</p> <p>Deprecated since Spotfire 11.4.0.</p>
TSS-29565	14.5.0	<p>The <code>getReturnEndpoint()</code> method of the <code>CustomWebAuthenticatorInitContext</code> API class is deprecated and will be removed in a future release. Use the new method with the same name in the <code>WebAuthenticationContext</code> API class instead.</p> <p>Deprecated since Spotfire 11.6.0.</p>
TSS-32525	14.5.0	<p>The <code>LibraryService</code> SOAP API is deprecated and will be removed in a future release. Use the Library REST APIs instead.</p> <p>Deprecated since Spotfire 14.0.0.</p>
TSS-32526	14.5.0	<p>The <code>LicenseService</code> SOAP API is deprecated and will be removed in a future release. Use the License Management REST APIs instead.</p> <p>Deprecated since Spotfire 14.2.0.</p>
TSS-32527	14.5.0	<p>The <code>UpdateAnalysisService</code> SOAP API is deprecated and will be removed in a future release. Use the Web Player REST API instead.</p> <p>Deprecated since Spotfire 14.4.0.</p>
TSS-32528	14.5.0	<p>The <code>UserDirectoryService</code> SOAP API is deprecated and will be removed in a future release. Use the <i>System for Cross-domain Identity Management</i> (SCIM) APIs instead.</p> <p>Deprecated since Spotfire 14.0.0.</p>
TSS-33741	14.5.0	<p>The existing Information Model REST API endpoints <code>PATCH/rest/elements/v1/<guid></code> and <code>POST/rest/elements/v1/<guid>/redirect</code> are deprecated and will be removed in a future version. The REST API has been replaced by the following new REST API:</p> <ul style="list-style-type: none"> <code>PATCH/rest/informationmodel/v1/elements/<guid></code> <code>POST/rest/informationmodel/v1/elements/<guid>/redirect</code> <p>Deprecated since Spotfire 14.3.0.</p>

Key	Version	Summary
TSS-33742	14.5.0	<p>The existing License Management REST API endpoints (<a href="https://<host>[:<port>]/spotfire/api/rest/v1/licenses/...">https://<host>[:<port>]/spotfire/api/rest/v1/licenses/...) are deprecated. They are replaced by new endpoints (<a href="https://<host>[:<port>]/spotfire/api/rest/licenses/v1/...">https://<host>[:<port>]/spotfire/api/rest/licenses/v1/...).</p> <p>The deprecated endpoints will be removed in a future version.</p> <p>The new REST API endpoints are as follows:</p> <ul style="list-style-type: none"> • GET: <code>/rest/licenses/v1</code> • GET: <code>/rest/licenses/v1/users/<userId></code> • GET: <code>/rest/licenses/v1/<licenseName>/groups/<groupId></code> • PUT: <code>/rest/licenses/v1/<licenseName>/groups/<groupId></code> • DELETE: <code>/rest/licenses/v1/<licenseName>/groups/<groupId></code> • GET: <code>/rest/licenses/v1/groups/<groupId></code> • GET: <code>/rest/licenses/v1/<licenseName>/functions</code> • GET: <code>/rest/licenses/v1/<licenseName>/users/<userId></code> <p>Deprecated since Spotfire 14.3.0.</p>
TSS-33823	14.5.0	<p>The stand-alone upgrade tool for the node manager is deprecated and will be removed in a future release. Upgrade of the node manager should instead be done from the <i>Nodes & Services</i> section of the Spotfire Server web administration pages.</p> <p>Deprecated since Spotfire 14.3.0.</p>
TSS-34086	14.5.0	<p>The ability to run Information Services as an embedded process/in-process, using the setting <code>information-services.external-process.enabled=false</code> is deprecated and will be removed in a future version.</p> <p>Deprecated since Spotfire 14.5.0 and 14.0.4.</p>
TSS-34204	14.5.0	<p>The <i>Microsoft Windows NT Domain</i> authentication method and the <i>Windows User Directory</i> mode are deprecated and will be removed in a future release. Use LDAP instead.</p> <p>Deprecated since Spotfire 14.5.0.</p>
TSS-34626	14.5.0	<p>The <i>NTLM</i> authentication method is deprecated and will be removed in a future release. Use Kerberos or some other authentication method, such as OpenID Connect, instead.</p> <p>Deprecated since Spotfire 14.5.0.</p>
TSS-35392	14.5.0	<p>The <code>register-as-tibco-cloud-client</code> command is deprecated and will be removed in a future release.</p> <p>Deprecated since Spotfire 14.5.0.</p>
TSS-35513	14.5.0	<p>The <code>InformationModelService</code> SOAP API is deprecated and will be removed in a future release. Use the Information Model REST APIs instead.</p> <p>Deprecated since Spotfire 14.2.0.</p>

Removed features

The following features have been removed in this version of Spotfire Server.

Key	Version	Summary
SPOT-3524	14.5.0	<p>Debian 11 is no longer supported as the operating system for:</p> <ul style="list-style-type: none"> • Spotfire Server • Spotfire Web Player • Spotfire Automation Services • Spotfire Enterprise Runtime for R - Server Edition (a/k/a the TERR™ service) • Spotfire Service for R • Spotfire Service for Python
SPOT-3525	14.5.0	<p>Red Hat Enterprise Linux 8 is no longer supported as the operating system for:</p> <ul style="list-style-type: none"> • Spotfire Server • Spotfire Web Player • Spotfire Automation Services • Spotfire Enterprise Runtime for R - Server Edition (a/k/a the TERR™ service) • Spotfire Service for R • Spotfire Service for Python
SPOT-3526	14.5.0	<p>OpenSUSE 15 is no longer supported as the operating system for:</p> <ul style="list-style-type: none"> • Spotfire Server • Spotfire Enterprise Runtime for R - Server Edition (a/k/a the TERR™ service) • Spotfire Service for Python
SPOT-3527	14.5.0	<p>SUSE Enterprise Linux 15 and SUSE Enterprise Linux 12 are no longer supported as the operating system for:</p> <ul style="list-style-type: none"> • Spotfire Server • Spotfire Enterprise Runtime for R - Server Edition (a/k/a the TERR™ service) • Spotfire Service for Python
SPOT-3528	14.5.0	<p>Windows Server 2016 is no longer supported as the operating system for:</p> <ul style="list-style-type: none"> • Spotfire Server • Spotfire Web Player • Spotfire Automation Services • Spotfire Enterprise Runtime for R - Server Edition (a/k/a the TERR™ service) • Spotfire Service for R • Spotfire Service for Python
TSS-35182	14.5.0	<p>The sample data functions that previously were included in the Spotfire Server installation package are no longer distributed with the installation. Refer to the Spotfire user guide or the Spotfire community for information about how to create data functions.</p>

Key	Version	Summary
TSS-35383	14.5.0	The Information Services public APIs are no longer accessible via the endpoint <code>/api/rest/elements/</code> . Previously, the public Information Services APIs were accessible via two endpoints but from now on access will only be available from <code>/api/rest/informationmodel/</code> .

Third Party Software Updates

The following third party software (TPS) components have been added or updated in version 14.5 of Spotfire Server.

Key	Version	Summary
TSS-34779	14.5.0	OSHI Core version 6.6.2 added
TSS-34350	14.5.0	underscore.js updated to 1.13.6
TSS-34468	14.5.0	<ul style="list-style-type: none">• @ng-idle/core updated to 15.0.0• Angular updated to 19.2.2• Autoprefixer updated to 10.4.21• Reactive Extensions Library for JavaScript updated to 7.8.2• tslib updated to 2.8.1• worker-timers updated to 8.0.19

Key	Version	Summary
TSS-34465	14.5.0	<ul style="list-style-type: none"> • Amazon AWS SDK updated to 2.31.1 • Apache Commons Codec updated to 1.18.0 • Apache CXF updated to 4.1.1 • Apache HttpComponents Client updated to 5.4.4 • Apache HttpComponents Core updated to 5.3.4 • Apache Tomcat updated to 10.1.40 • ASM Based Accessors Helper Used by JSON Smart updated to 2.5.2 • Azure Core shared library for Java updated to 1.55.3 • Eclipse Jetty updated to 12.0.17 • FasterXML/Jackson Annotations updated to 2.18.3 • FasterXML/Jackson Core updated to 2.18.3 • FasterXML/Jackson Databind updated to 2.18.3 • FasterXML/Jackson Dataformat: XML updated to 2.18.3 • FasterXML/Jackson Dataformat: YAML updated to 2.18.3 • FasterXML/Jackson Datatype: JSR310 updated to 2.18.3 • Fifesoft RSyntaxTextArea updated to 3.5.4 • Google Auth Library For Java Credentials updated to 1.33.1 • Google Auth Library For Java OAuth2 HTTP updated to 1.33.1 • Google Gson updated to 2.12.1 • Google HTTP Client Library for Java updated to 1.46.2 • gRPC-Java updated to 1.70.0 • GSON Extensions to The Google HTTP Client Library For Java updated to 1.46.2 • Guava: Google Core Libraries for Java updated to 33.4.0-android • JSON Small and Fast Parser updated to 2.5.2 • Micrometer updated to 1.14.5 • Microsoft Authentication Library for Java updated to 1.19.1 • Microsoft Azure Common Module For Storage updated to 12.29.0 • Microsoft Azure Core HTTP Netty updated to 1.15.11 • Microsoft Azure Java JSON Library updated to 1.5.0 • Microsoft Azure Java XML Library updated to 1.2.0 • Microsoft Azure Storage Blob client library for Java updated to 12.30.0 • Nimbus JOSE + JWT updated to 10.0.2 • Nimbus OAuth 2.0 SDK with OpenID Connect Extensions updated to 11.23 • OSHI Core updated to 6.6.2 • Simple Logging Facade for Java updated to 2.0.17 • Spring Framework updated to 6.2.4 • Swagger updated to 2.2.29

Closed Issues

The table lists closed issues in version 14.5 of Spotfire Server.

Key	Version	Summary
TSS-28097	14.5.0	Library imports can become very slow if many of the imported items were created or last modified by a user account that is no longer enabled (especially if the Spotfire Server is configured to use LDAP as the user directory backend).
TSS-32907	14.5.0	If you have configured a default join database for Information Services, using a TIBCO-branded DataDirect JDBC driver for the connection, it is not possible to upgrade Spotfire Server if the data source template for the driver is disabled.
TSS-33185	14.5.0	When you upgrade Spotfire and you previously used a TIBCO-branded DataDirect driver for the default join database configuration, then the default selection in the prompt to change the <i>Data source templates</i> might be incompatible.
TSS-33194	14.5.0	A downloaded Troubleshooting Bundle can sometimes be incomplete due to timeouts when fetching data from other nodes.
TSS-33309	14.5.0	The documentation for how to prepare the Spotfire database is unnecessarily complex and hard to navigate.
TSS-33378	14.5.0	The <code>import-rules</code> CLI command sometimes times out when you are importing a large number of rules.
TSS-33655	14.5.0	The CLI command <code>create-ldap-config</code> now supports commas in schedules. This can be done either by listing each schedule separately using the new <code>-T</code> flag or by escaping commas when using the <code>-schedules</code> argument.
TSS-33850	14.5.0	A potentially invalid warning about an incompatible Oracle JDBC driver can sometimes be shown during upgrade.
TSS-33942	14.5.0	When you specify that a user should not have permission to edit Information Services elements, the specified license features do not prevent edit access when the user selects multiple elements simultaneously in Information Designer.
TSS-33949	14.5.0	It is hard to find which Spotfire Statistics Services version to use with a specific Spotfire Server version in the system requirements .
TSS-34046	14.5.0	The configuration properties <code>public-api.library.upload.job.idle-exp-minutes</code> and <code>public-api.library.upload.job.absolute-exp-minutes</code> are mixed up when it comes to idle vs absolute time.
TSS-34047	14.5.0	If an administrator user has logged in to the Spotfire Server web administration pages and viewed the diagnostics for a specific Web Player instance, and then try to access an analysis or something else that needs a proper Kerberos session, the credentials for a service account is used instead of the personal credentials.
TSS-34070	14.5.0	In some cases, the Spotfire Server <code>library.log</code> does not include all information needed, for example, the username, for each log entry.
TSS-34073	14.5.0	The external Ignite process cannot be started when using Microsoft SQL Server Integrated Authentication.

Key	Version	Summary
TSS-34127	14.5.0	There is a typo in the Automation Services User Guide, under <i>Emailing reports using a single analysis</i> , where the example uses the word <i>email</i> when the actual inserted value should be <i>e-mail</i> .
TSS-34129	14.5.0	The Automation Services schedule shows the information icon and the text on separate lines in the <i>Ending</i> field when the schedule has expired.
TSS-34135	14.5.0	Library uploads using the Library REST API v2 occasionally fail in clustered Spotfire Server deployments.
TSS-34137	14.5.0	When searching for rules on the <i>Scheduling & Routing</i> page, rule names including an underscore character do not show up in the search results if the underscore is included in the search.
TSS-34138	14.5.0	When adding or editing an Automation Services schedule in the <i>Schedule a job</i> or <i>Edit schedule</i> dialogs, <i>Show preview</i> should not be enabled if <i>Begin schedule</i> has not been specified.
TSS-34139	14.5.0	Sometimes, a warning about the session count for the external Information Services process or the node manager is logged to the log files every 5 minutes.
TSS-34140	14.5.0	The Spotfire Server does not support <code>postMessage</code> as method for transferring the OAuth code to a data connector when using OAuth authentication.
TSS-34168	14.5.0	Passwords with leading or trailing whitespace characters are not allowed when setting or changing a user password with the <code>create-user</code> or <code>set-user-password</code> commands.
TSS-34172	14.5.0	Passwords with leading or trailing whitespace characters are not allowed when setting or changing a user password through the <code>UserDirectoryService</code> SOAP API.
TSS-34175	14.5.0	A message that only concerns upgrades from version 11.7 and earlier, informing about the removal of support for using the Spotfire database as the default join database, is shown when upgrading Spotfire from later versions.
TSS-34181	14.5.0	The OAuth2 end-user consent page does not show descriptions for all the API scopes.
TSS-34195	14.5.0	You cannot re-configure encryption using the <code>config-encryption</code> command if library versioning is disabled and there are Information Services data sources in the library.
TSS-34207	14.5.0	Missing values in the <i>Modified on</i> column in the <i>Shared with me</i> and <i>Shared by me</i> pages in the Library cause error messages to pop up for users in specific regions, such as India or Brazil.
TSS-34214	14.5.0	If an invalid (e.g., too long) user or group name is passed to the <code>com.spotfire.server.api.userdir.UserDirectory</code> API, then a <code>java.lang.IllegalArgumentException</code> is thrown, rather than the expected <code>com.spotfire.server.userdir.InvalidArgumentDirectoryException</code> .
TSS-34216	14.5.0	On the <i>Scheduling & Routing, Rules</i> page, filtering based on a resource pool with a name containing spaces does not work.
TSS-34241	14.5.0	The health status for the Web Player and Automation Services is only logged to the action log when the status is "Exhausted" and not for all status values.

Key	Version	Summary
TSS-34265	14.5.0	When trying to rename or edit the description of a library item from the details panel, no change is shown because the data is not reloaded.
TSS-34270	14.5.0	An error occurs after logging in if the Login RSS feed contains an item without a <i>title</i> element.
TSS-34275	14.5.0	When shutting down a service, errors regarding failure of OCSP checks can be seen in the node manager log.
TSS-34276	14.5.0	Information Services elements cannot be imported when Oracle is used as the Spotfire Server database and the library versioning feature is enabled, unless versioning of Information Services elements is also enabled.
TSS-34278	14.5.0	If you edit the SQL statement of an information link that uses data from a stored procedure, it is not possible to use the information link unless there is a writeable data source.
TSS-34305	14.5.0	The Login redirect does not always work as expected.
TSS-34335	14.5.0	The CLI command <code>config-action-log-database-logger</code> does not work as intended when using integrated authentication (it prompts for username and password).
TSS-34347	14.5.0	When a Spotfire Server instance is restarted, a Web Player instance can, in certain situations, fail to reestablish a working WebSocket connection.
TSS-34463	14.5.0	Some performance counters are missing in the <i>Monitoring & Diagnostics</i> page of the Spotfire Server web administration pages: "Data engine paged out memory", "Data engine paged in memory", "Data engine active queries" and possibly "Number of shared document nodes".
TSS-34538	14.5.0	Uploading a DXP file using the API fails because the zip reader is relying on the byte count being accurate in the zip metadata. Instead of using the metadata, all data should be read directly from the zip file itself.
TSS-34550	14.5.0	Loading library properties and content for required library items takes too long time. For example, this can happen when executing an information link with many elements.
TSS-34564	14.5.0	It is not possible to select text in tables from the Spotfire Server web administration pages.
TSS-34567	14.5.0	OAuth2 token refresh in the context of data access from the TDV connector fails when using an OpenID Connect provider configuration where <code>include-scope-on-refresh</code> is not set.
TSS-34579	14.5.0	Sorting the <i>Last Status</i> column in the Scheduling & Routing, Rules page does not work correctly.
TSS-34584	14.5.0	Disabling a scheduled update rule that is already loaded on a Web Player instance is sometimes incorrectly logged as an <i>External Update</i> on the <i>Scheduling & Routing, Activity</i> page.

Key	Version	Summary
TSS-34595	14.5.0	When using a cobranding package with a custom Login page, all attributes other than <i>src</i> and <i>type</i> that are specified for script tags in the custom Login page template are missing from the rendered page.
TSS-34598	14.5.0	Automation Services jobs trigger immediately (misfire) on server startup or after editing a schedule.
TSS-34599	14.5.0	Removing all packages from a modified deployment area in the <i>Deployment & Packages</i> pages can sometimes result in an internal error.
TSS-34637	14.5.0	An information link marked as a library favorite might sometimes fail during execution.
TSS-34647	14.5.0	Browsing the library can be unnecessarily slow when there is a large number of properties in the library.
TSS-34660	14.5.0	The <i>Duration</i> column is not visible in the <i>Scheduling & Routing, Rules</i> , table.
TSS-34661	14.5.0	When creating a new schedule in the <i>Scheduling & Routing</i> pages, the default time zone selected is the server time zone and not the browser time zone.
TSS-34664	14.5.0	Special characters are escaped twice when you execute an information link with multiple columns, using an on-demand configuration, if a string value contains an escape character added to a temporary table.
TSS-34711	14.5.0	Sorting by group type does not work in the Spotfire Server web administration pages.
TSS-34713	14.5.0	Data uploads to the Spotfire Server cannot be partially retried.
TSS-34718	14.5.0	The <code>config-sessions</code> command requires the value of the <code>--concurrent-sessions-limit-exceeded-resolution</code> argument to be in lowercase for the change to take effect.
TSS-34729	14.5.0	When you edit the properties of a favorite-marked information link from Information Designer, the favorite count is removed from the library user interface.
TSS-34734	14.5.0	When you configure a credentials profile for data connectors, you cannot leave the <code>allowed-usages</code> tag empty.
TSS-34740	14.5.0	The error message shown when attempting to delete a resource pool selected by the default routing rule does not provide any useful information.
TSS-34790	14.5.0	On the <i>Schedule Updates, Rules</i> page, the last known status is sometimes incorrectly shown as 'Failed' if a task is dismissed because the job is already running on an instance.
TSS-34805	14.5.0	If you use an incorrect connection URL, username, or password with the <code>validate-data-source</code> CLI command, no error is shown.

Key	Version	Summary
TSS-34826	14.5.0	<p>When you access an information link using either on-demand or prompting and you provide more than 1000 input values, some special characters (* ? ; \) are not handled correctly.</p> <ul style="list-style-type: none"> • ? and * characters in input from on-demand or single/multiple selection prompts are incorrectly interpreted as wildcards. • ; and \ characters in input from on-demand or any prompt type result in errors or missing data.
TSS-34836	14.5.0	On the <i>Scheduled Updates, Rules</i> page, the <i>Last status</i> column does not correctly show the most recent activity if an analysis has been loaded and unloaded on different Web Player instances.
TSS-34839	14.5.0	Certain error pages might be susceptible to spoofing.
TSS-34843	14.5.0	When using the <code>import-groups</code> CLI command to import users or groups from STDF files, the command does not correctly handle some special characters in the group or user names.
TSS-34844	14.5.0	Users cannot be found through SCIM when filtering on the <code>userName</code> attribute, if the username is in the format of an email address.
TSS-34854	14.5.0	The legacy version of the JavaScript API (<code>loader.js</code>) is partially broken in 14.4 due to the new default Referrer-Policy header.
TSS-34855	14.5.0	The <code>update-deployment</code> command unnecessarily attempts to connect to LDAP (when the Spotfire Server is configured to use LDAP).
TSS-34856	14.5.0	The OpenID Connect (OIDC) third party login initiation endpoint is not available through a POST call.
TSS-34860	14.5.0	Revoked access tokens can in some cases continue to work after revocation because of caching.
TSS-34863	14.5.0	User action log entries for library operations initiated by some clients are missing a session ID value.
TSS-34869	14.5.0	Whitespace before the number sign (#) at the start of a comment is not allowed when running configuration commands.
TSS-34870	14.5.0	Upgrading the Spotfire Server from a version before 11.5 to version 11.5 or later fails under specific conditions.
TSS-34878	14.5.0	The job activity information for an Automation Services job is retained (and not even shown in a disabled state) even if the associated job file has been deleted from the library.
TSS-34879	14.5.0	The <i>Automation Services Job activity</i> page keeps showing the name of a schedule even after the schedule has been deleted.
TSS-34885	14.5.0	It is possible to deploy packages with incorrect <code>IntendedClient</code> values in the package metadata.

Key	Version	Summary
TSS-34889	14.5.0	When a library item associated with a scheduled updates rule is deleted, all previous rule activities are removed from the activity page for the rule. However, the activity history should be retained even if the associated library item is deleted.
TSS-34891	14.5.0	The rule name of a deleted scheduled update rule is sometimes not shown correctly on the <i>Scheduling & Routing, Activity</i> page.
TSS-34897	14.5.0	If the 'Certificate Issuer' information contains special characters (for example, "/"") then this results in a 404 error when attempting to download the certificate.
TSS-34898	14.5.0	Browsing the Spotfire library might be slower than necessary when the library contains items with a large number of properties.
TSS-34913	14.5.0	An Automation Services job does not run on a correct scheduled time after a daylight saving time (DST) transition.
TSS-34914	14.5.0	The instructions on how to run the Spotfire Server under a Windows service account lacks detailed information about needed permissions for the service account.
TSS-34960	14.5.0	In the <i>Deployments & Packages</i> page, adding or deleting multiple deployment areas in rapid succession can make a green checkmark show up next to deployment areas that have no packages deployed.
TSS-34980	14.5.0	The <code>find-analysis-scripts</code> command does not properly trust custom queries containing horizontal tab characters.
TSS-35047	14.5.0	The documentation about how you configure <i>Backend connector threads</i> contains an incorrect example.
TSS-35058	14.5.0	The different parts of the process involved when running a scheduled update are not documented in the <i>Spotfire Server and Environment - Installation and Administration</i> manual.
TSS-35066	14.5.0	In some cases, the language used by the Spotfire database user can prevent the Spotfire Server from starting.
TSS-35076	14.5.0	Downloads of data from information links cannot be retried.
TSS-35103	14.5.0	When you copy library items with dependencies to each other (such as an analysis and an information link), sometimes the original library item starts to reference the copied library item instead of the original one.
TSS-35125	14.5.0	If you edit an invalid rule (for example, if the analysis it should update has been removed), the error message shown is not informative enough.
TSS-35218	14.5.0	<p>When migrating the LIB_DATA table using the <code>migrate-db</code> CLI command, performance can be slower compared to other tables of the same row size when using external library storage. This is due to a low JDBC insertion batch size.</p> <p>Two new arguments have been added to the <code>migrate-db</code> CLI command which lets you specify the batch sizes for normal and LOB tables. These can be used to improve the insertion speed in some situations.</p> <p>Note: The target database must be configured properly to be able to handle, for example, large insertions of LOB values for larger (LOB) batch sizes.</p>

Key	Version	Summary
TSS-35233	14.5.0	When a scheduled updates job is running, but it is being retried because the previous attempt to run it failed, a new task can be triggered for the same job. This results in multiple tasks/jobs for the same rule being retried on top of each other.
TSS-35235	14.5.0	Neither the CLI command <code>update-deployment</code> , nor the configuration tool, can handle deployment packages with commas in their file names.
TSS-35271	14.5.0	The CLI command <code>check-external-library</code> can take a long time to finish when there are a large number of items in the library.
TSS-35276	14.5.0	When using external library storage, the Spotfire Server cannot start if library content for an Information Services data source is missing in the external library storage.
TSS-35301	14.5.0	Concurrent updates to a refresh token can sometimes lead to the error message <code>Unable to replace refresh token in the log</code> .
TSS-35307	14.5.0	The <i>Configuring allowed issuers for code trust</i> section of the <i>Spotfire Server and Environment - Installation and Administration</i> guide contains some incorrect examples.
TSS-35312	14.5.0	The name of the parameter <code>token_refresh_when_validity_below_minutes</code> is incorrect in the documentation.
TSS-35315	14.5.0	The background task that cleans out orphaned library resources sometimes takes a long time to run, and it can consume a significant amount of database resources.
TSS-35320	14.5.0	Certificate entries in the database might end up in an inconsistent state after certificates have been revoked, resulting in errors in the logs.
TSS-35325	14.5.0	Export of library items is sometimes slow when there are lot of dependencies.
TSS-35328	14.5.0	When you are creating or editing a rule in the <i>Scheduling & Routing, Rules</i> page, it is possible to click <i>Save</i> even if you add a name longer than the allowed 256 characters. This results in an error notification.
TSS-35330	14.5.0	When you try to upgrade the Spotfire Server from versions before 12.0, the upgrade fails to complete because of long running queries.
TSS-35352	14.5.0	Several endpoints in the Library REST API v2 have parameters wrongly marked as <i>Optional</i> when they should be marked as <i>Required</i> .
TSS-35353	14.5.0	The event field <code>original_ip</code> is not being logged in the user action log for some library operations initiated by a Spotfire client, for example, <code>action=load_content</code> .
TSS-35398	14.5.0	Sorting the <i>Modified on</i> column in the various <i>Library</i> pages of the Spotfire web administration pages does not work as expected.
TSS-35410	14.5.0	The default for <code>DataBlockStorage_MemoryLoadExhaustedLimit</code> is incorrect in the <i>Spotfire Server and Environment - Installation and Administration</i> manual. It says 98 but the actual default is 90.
TSS-35422	14.5.0	Import to the library is slower than necessary when you are importing library permissions and the database latency is high.

Key	Version	Summary
TSS-35455	14.5.0	Import of Information Services elements to the library takes a significantly longer time compared to import in versions before Spotfire 12.0.x, particularly when using PostgreSQL for the Spotfire Database.
TSS-35969	14.5.0	In information links that access data from Microsoft SQL Server data sources, it is not possible to use columns with the data type <code>dateTimeOffset</code> .

Known Issues

The following are known issues in version 14.5 of Spotfire Server:

Key	Version	Summary
TSAS-1123	14.5.0	<p>Encrypting services' configuration files not supported on Linux</p> <p>You cannot encrypt configuration files for Automation Services and Web Player Services on Linux.</p> <p>Workaround: None</p>
TSS-26972	14.5.0	<p>Java changes affect updating node manager from 10.9 to 10.10 or later</p> <p>Updating the node manager from Nodes & Services from a 10.9 or earlier release to a 10.10 release or later is not supported due to updated Java versions.</p> <p>Workaround: To update the node manager to version 10.10 or later, you must install it on each computer, and then run the node manager upgrade tool.</p>
TSS-29819	14.5.0	<p>Users authenticated through Kerberos with delegation require special handling for accessing certain services</p> <p>In the following situations, Spotfire users cannot view certain analysis files in the web client:</p> <ul style="list-style-type: none"> • The user is authenticated using Kerberos with delegation. • The user wants to view an analysis that accesses a TERR service node. <p>Workaround: Give Read permission for the private key of the Web Player Node certificate to users.</p> <p>Procedure:</p> <ol style="list-style-type: none"> 1. On the computer running the Web Player node manager, open a command window as an administrator. 2. Enter mmc. 3. In the Console dialog box that opens, click File > Add/Remove > Snap-ins. 4. In the Add or Remove Snap-ins dialog box, select Certificates, and then click Add. 5. In the Certificates snap-in dialog box, select Computer account, and then click Next. 6. In the Select Computer dialog box, click Finish. 7. In the Add or Remove Snap-ins dialog box, click OK. 8. In the Console Root window, click Certificates (Local Computer) to view the certificate stores for the computer. 9. Go to Certificates (<i>Local Computer</i>) \ Personal \ Certificates, and then right-click the certificate that was issued by "TIBCO Spotfire Signing CA". 10. Select All Tasks > Manage Private Keys. 11. In the Permissions dialog box, under Group or user names, select a group that contains all Spotfire users that need to run analyses using the TERR service. 12. Under Permissions for Name, select the Allow check box in the Read row, and then click OK. 13. In the Spotfire administration interface or in the Windows Services dialog box, restart the Web Player node.

Key	Version	Summary
TSS-30350	14.5.0	<p>Very high display resolution affects ability to repair or uninstall Spotfire Server</p> <p>Repair or uninstallation of the Spotfire Server and/or the node manager does not work on computers with a high display resolution, such as 3840 x 2160 pixels. The repair/uninstall dialogs in the installers are not shown as expected and there is no way to proceed with the repair/uninstallation.</p> <p>Workaround: Temporarily switch to a lower display resolution, such as 1920 x 1080 pixels.</p>
TSS-30734	14.5.0	<p>Proxy server configuration</p> <p>When using a proxy server between the Spotfire Server and a Web Player or Automation Services service deployed on Linux, the services will use the operating system proxy configuration. Only the username and password for the proxy can be configured in the configuration files of the services.</p> <p>Workaround: None</p>
TSS-32020	14.5.0	<p>Exception during CDK upgrade</p> <p>You can see the error message "Database connection is not using a valid certificate" during a containerized Spotfire (CDK) upgrade. A nonvalid certificate causes the CDK upgrade to fail.</p> <p>Workaround: To upgrade the CDK, you must either trust the certificate or set the flag <code>encrypt=false</code> in the connection string.</p>

Migration and Compatibility

The documentation contains detailed instructions for migrating from a previous release.

Spotfire Server

See "Upgrading Spotfire" in the [Spotfire Server and Environment - Installation and Administration help](#).

Important: Upgrading from versions earlier than 14.0.8 and 14.5.0

When you upgrade to this version of Spotfire from a version before 14.0.8 (clients before 14.0.7) or 14.5.0, you must upgrade Spotfire Server before you deploy and upgrade the clients and services to version 14.0.7 or 14.5.0 or later. Before you upgrade, see [Upgrading to 14.0.8 or 14.5.0: New license management](#).

Important: Upgrading from versions earlier than Spotfire 12.3

In Spotfire version 12.3, the included Microsoft JDBC Driver for SQL Server was upgraded to a version with important changes to the default settings for encryption. If you upgrade Spotfire from a version earlier than 12.3, and you use the Microsoft JDBC Driver for SQL Server in your environment (to connect to the Spotfire database, the action logging database, Information Services data sources, or the default join database), before you upgrade Spotfire, read the following topic: [Upgrading to 12.3 and later: Fixing Microsoft SQL Server JDBC driver-related issues](#)

Important: Applying version-specific hotfixes

As of Spotfire Server version 10.3.0, server hotfixes can be applied only on the specific service pack version that they are created for. For example: If you currently have version 10.3.1, you can apply server hotfixes only for the 10.3.1 version, such as 10.3.1 HF-001, 10.3.1 HF-002, and so on. If you want a hotfix of a different service pack level, such as 10.3.2 HF-001, you must first make sure to upgrade to that service pack (10.3.2) before applying the hotfix.

Newer and older versions of the installed Spotfire client can be used to connect to the current version of Spotfire Server in order to upgrade or downgrade the client packages. However, it is recommended to always run the same version of client and server in production environments. See [System Requirements](#).

Spotfire Automation Services

Version 14.5 of Spotfire Automation Services should be installed for compatibility with version 14.5 of Spotfire.

For instructions on how to upgrade to version 14.5 Spotfire Automation Services, see "Updating Services" in the *Spotfire Server and Environment - Installation and Administration help*.

Spotfire Qualification

Version 14.5 of Spotfire Qualification should be installed for compatibility with version 14.5 of Spotfire.

For instructions on how to upgrade to version 14.5 of Spotfire Qualification, see the [Spotfire Qualification - Installation Guide](#).

Spotfire Documentation and Support Services

For information about the Spotfire® products, you can read the documentation, contact Spotfire Support, and join the Spotfire Community.

How to Access Spotfire Documentation

Documentation for Spotfire and TIBCO products is available on the [TIBCO Product Documentation](#) website, mainly in HTML and PDF formats.

The website is updated frequently and is more current than any other documentation included with the product.

Spotfire Documentation

The documentation for all Spotfire products is available on the [Spotfire Documentation](#) page. This page takes you directly to the latest version of each document.

To see documents for a specific Spotfire product or version, click the link of the product under 'Other versions', and on the product page, choose your version from the top right selector.

Release Version Support

Some release versions of Spotfire products are designated as long-term support (LTS) versions. LTS versions are typically supported for up to 36 months from release. Defect corrections will typically be delivered in a new release version and as hotfixes or service packs to one or more LTS versions. See also <https://spotfi.re/lts>.

How to Contact Support for Spotfire Products

You can contact the Support team in the following ways:

- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the support portal at <https://spotfi.re/support>.
- For creating a Support case, you must have a valid maintenance or support contract with Cloud Software Group, Inc. You also need a user name and password to log in to <https://spotfi.re/support>. If you do not have a user name, you can request one by clicking **Register** on the website.

System Requirements for Spotfire Products

For information about the system requirements for Spotfire products, visit <https://spotfi.re/sr>.

How to join the Spotfire Community

The Spotfire Community is the official channel for Spotfire customers, partners, and employee subject matter experts to share and access their collective experience. The Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from Spotfire products. In addition, users can submit and vote on feature requests from within the [Ideas Portal](#). For a free registration, go to <https://spotfi.re/community>.

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